



Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks

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Special Note

The format of the *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* publication has been updated to include previous year. The data series began with May 2015 data. Starting with this issue, the tables include previous year for comparison.

Highlights

May 2015 contained 31 days.

April 2016 contained 30 days.

May 2016 contained 31 days.

Soybeans crushed for crude oil was 4.83 million tons (161 million bushels) in May 2016, compared to 4.75 million tons (158 million bushels) in April 2016 and 4.68 million tons (156 million bushels) in May 2015. Crude oil produced was 1.88 billion pounds up 2 percent from April 2016 and up 7 percent from May 2015. Soybean once refined oil production at 1.44 billion pounds during May 2016 increased 6 percent from April 2016 and increased 3 percent from May 2015.

Canola seeds crushed for crude oil was 132 thousand tons in May 2016, compared to 137 thousand tons in April 2016 and 114 thousand tons in May 2015. Canola crude oil produced was 112 million pounds down 6 percent from April 2016 but up 17 percent from May 2015. Canola once refined oil production at 137 million pounds during May 2016 was up 18 percent from April 2016 but down 1 percent from May 2015. Cottonseeds crushed for crude oil was 127 thousand tons in May 2016, compared to 132 thousand tons in April 2016 and 142 thousand tons in May 2015. Cottonseed crude oil produced was 38.4 million pounds, down 2 percent from April 2016 and down 12 percent from May 2015. Cottonseed once refined oil production at 43.9 million pounds during May 2016 was up 4 percent from April 2016 but down 18 percent from May 2015.

Edible tallow production was 83.2 million pounds during May 2016, up 9 percent from April 2016 and up 23 percent from May 2015. Inedible tallow production was 291 million pounds during May 2016, up 6 percent from April 2016 but down 2 percent from May 2015. Technical tallow production was 113 million pounds during May 2016, up 33 percent from April 2016 and up 10 percent from May 2015. Choice white grease production at 116 million pounds during May 2016 increased 5 percent from April 2016 but decreased 2 percent from May 2015.

Soybean Crushing, Production, Consumption and Stocks – United States: May 2016 with Comparisons

Item	May 2015	April 2016	May 2016
Crush			
Soybeans crushed tons	4,682,322	4,745,090	4,825,833
Crude oil produced.....1,000 pounds	1,754,179	1,840,263	1,876,184
Cake and meal produced tons	3,472,958	3,502,911	3,561,181
For animal feed tons	3,432,552	3,445,720	3,503,877
For edible protein products..... tons	40,406	57,191	57,304
Millfeed produced..... tons	235,330	243,761	246,358
Refine			
Crude oil processed in refining1,000 pounds	1,439,683	1,385,229	1,474,278
Once refined oil produced1,000 pounds	1,400,207	1,352,235	1,439,174
Consumption			
Crude oil removed for inedible use in processing1,000 pounds	(D)	89,374	123,277
Once refined oil removed for use in processing.....1,000 pounds	1,348,234	1,359,441	1,418,293
Removed for edible use in processing.....1,000 pounds	1,078,712	1,100,348	1,091,362
Removed for inedible use in processing1,000 pounds	269,522	259,093	326,931
Stocks			
Cake and meal on hand end of month..... tons	456,016	365,653	343,411
Millfeed on hand end of month tons	51,724	46,616	46,011
Crude oil on hand end of month1,000 pounds	1,812,875	2,048,554	2,063,240
Crusher1,000 pounds	1,054,953	1,033,659	1,001,700
Refiner1,000 pounds	254,724	450,938	451,654
Offsite1,000 pounds	503,198	563,957	609,886
Once refined oil on hand end of month.....1,000 pounds	376,449	371,464	402,898

(D) Withheld to avoid disclosing data for individual operations.

Soybean Crushing – Regional: May 2016 with Comparisons

Region	Soybeans crushed		
	May 2015	April 2016	May 2016
	(tons)	(tons)	(tons)
Illinois	527,050	570,995	597,271
Iowa.....	999,851	998,221	1,028,376
North and East ¹	1,122,112	1,082,465	1,098,826
North Central ²	586,822	631,767	648,696
South, West and Pacific ³	630,186	660,708	649,712
West Central ⁴	816,301	800,934	802,952
Region	Crude oil produced		
	May 2015	April 2016	May 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	199,753	224,439	236,503
Iowa.....	373,025	386,076	397,548
North and East ¹	411,841	418,968	426,247
North Central ²	221,107	247,599	253,268
South, West and Pacific ³	235,004	254,706	250,780
West Central ⁴	313,449	308,475	311,838
Region	Crude oil stocks at crusher		
	May 2015	April 2016	May 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	263,758	208,033	195,936
Iowa.....	154,548	179,767	168,873
North and East ¹	233,055	274,473	287,145
North Central ²	220,252	259,541	247,443
South, West and Pacific ³	52,299	52,478	54,031
West Central ⁴	131,041	59,367	48,272
Region	Cake and meal produced		
	May 2015	April 2016	May 2016
	(tons)	(tons)	(tons)
Illinois	384,474	411,628	435,508
Iowa.....	741,843	744,246	765,105
North and East ¹	836,302	798,843	809,399
North Central ²	447,321	466,200	476,754
South, West and Pacific ³	458,922	483,795	473,892
West Central ⁴	604,096	598,199	600,523
Region	Cake and meal stocks		
	May 2015	April 2016	May 2016
	(tons)	(tons)	(tons)
Illinois	74,899	53,514	57,257
Iowa.....	93,268	75,985	86,597
North and East ¹	105,526	86,303	65,641
North Central ²	57,914	42,366	44,241
South, West and Pacific ³	50,768	58,201	41,857
West Central ⁴	73,641	49,284	47,818

¹ North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

² North Central includes Michigan, Minnesota, North Dakota and South Dakota.

³ South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

Selected Oilseed Crushing, Production, Consumption and Stocks – United States: May 2016 with Comparisons

Item	May 2015	April 2016	May 2016
Canola			
Crush			
Seeds crushed..... tons	114,135	137,120	131,688
Crude oil produced..... 1,000 pounds	96,026	119,826	112,422
Cake and meal produced..... tons	65,606	79,349	76,308
Refine			
Crude oil processed in refining..... 1,000 pounds	141,220	119,360	140,461
Once refined oil produced..... 1,000 pounds	137,706	115,695	136,502
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	133,378	129,004	148,301
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Stocks			
Cake and meal on hand end of month..... tons	(D)	53,730	53,785
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	66,066	75,588	66,343
Cottonseed			
Crush			
Seeds crushed..... tons	141,846	132,306	126,891
Crude oil produced..... 1,000 pounds	43,639	39,194	38,434
Cake and meal produced..... tons	64,958	61,060	57,448
Refine			
Crude oil processed in refining..... 1,000 pounds	54,697	42,810	44,374
Once refined oil produced..... 1,000 pounds	53,547	42,199	43,917
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	-	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	51,442	55,278	44,018
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Stocks			
Cake and meal on hand end of month..... tons	53,074	46,960	53,736
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	43,617	48,199	54,869
Coconut			
Refine			
Crude oil processed in refining..... 1,000 pounds	40,119	21,186	27,533
Once refined oil produced..... 1,000 pounds	38,530	21,019	27,262
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	62,128	54,272	59,505
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month..... 1,000 pounds	85,109	64,636	83,525
Once refined oil on hand end of month..... 1,000 pounds	26,409	25,980	31,817
Corn			
Refine			
Crude oil processed in refining..... 1,000 pounds	(S)	(S)	(S)
Once refined oil produced..... 1,000 pounds	(S)	(S)	(S)
Consumption			
Crude oil removed for inedible use in processing..... 1,000 pounds	(S)	(S)	(S)
Once refined oil removed for use in processing..... 1,000 pounds	(S)	(S)	(S)
Removed for edible use in processing..... 1,000 pounds	(S)	(S)	(S)
Removed for inedible use in processing..... 1,000 pounds	(S)	(S)	(S)
Stocks			
Crude oil on hand end of month..... 1,000 pounds	(S)	(S)	(S)
Once refined oil on hand end of month..... 1,000 pounds	(S)	(S)	(S)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States: May 2016 with Comparisons (continued)

Item	May 2015	April 2016	May 2016
Olives			
Crush			
Crushed for oil tons	-	-	-
Virgin oil produced 1,000 pounds	-	-	-
Refine			
Refined oil produced 1,000 pounds	(D)	(D)	(D)
Consumption			
Refined oil removed for use in processing 1,000 pounds	(D)	(D)	(D)
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)
Stocks			
Virgin oil on hand end of month 1,000 pounds	(D)	(D)	(D)
Refined oil on hand end of month 1,000 pounds	(D)	(D)	(D)
Palm kernel			
Consumption			
Once refined oil removed for use in processing 1,000 pounds	33,465	41,492	41,046
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)
Stocks			
Once refined oil on hand end of month 1,000 pounds	90,109	111,046	116,127
Palm			
Consumption			
Once refined oil removed for use in processing 1,000 pounds	141,603	162,731	182,958
Removed for edible use in processing 1,000 pounds	136,910	155,481	161,791
Removed for inedible use in processing 1,000 pounds	4,693	7,250	21,167
Stocks			
Once refined oil on hand end of month 1,000 pounds	377,332	448,856	449,054
Peanut			
Refine			
Crude oil processed in refining 1,000 pounds	(D)	20,359	25,132
Once refined oil produced 1,000 pounds	(D)	18,179	22,171
Consumption			
Crude oil removed for inedible use in processing 1,000 pounds	-	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	(D)	19,190	18,684
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	-	(D)	(D)
Stocks			
Crude oil on hand end of month 1,000 pounds	18,612	(D)	(D)
Once refined oil on hand end of month 1,000 pounds	10,513	(D)	(D)
Sunflower			
Refine			
Crude oil processed in refining 1,000 pounds	22,169	40,123	34,918
Once refined oil produced 1,000 pounds	20,501	38,199	32,827
Consumption			
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	25,416	43,392	30,753
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)
Stocks			
Crude oil on hand end of month 1,000 pounds	31,163	68,877	51,563
Once refined oil on hand end of month 1,000 pounds	23,254	51,510	31,102
Vegetable foots, raw and acidulated			
Refine			
Oil produced 1,000 pounds	(D)	28,232	28,299
Consumption			
Oil removed for inedible use in processing 1,000 pounds	(D)	24,608	24,244
Stocks			
Oil on hand end of month 1,000 pounds	23,141	11,102	11,958

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Animal Fats and Oils Production, Consumption and Stocks – United States: May 2016 with Comparisons

Item	May 2015	April 2016	May 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease			
Production.....	118,849	111,103	116,462
Removed for inedible use.....	119,328	111,044	115,463
Stocks on hand end of month.....	19,634	11,969	12,861
Fatty acids			
Production.....	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)
Feather meal			
Production.....	93,489	94,072	97,415
Stocks on hand end of month.....	17,034	19,795	20,674
Glycerin, crude			
Production.....	(S)	(S)	(S)
Processed in refining.....	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)
Glycerin, refined			
Production.....	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)
Lard			
Production.....	25,338	28,245	31,471
Removed for use in processing.....	25,917	28,718	30,376
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	17,447	12,416	12,486
Meat meal, meat and bone meal, and dry rendered tankage			
Production.....	495,421	469,177	510,841
Stocks on hand end of month.....	89,480	43,428	47,169
Other grease			
Production.....	65,928	55,198	59,082
Removed for inedible use in processing.....	67,602	55,881	60,419
Stocks on hand end of month.....	(D)	(D)	(D)
Poultry fats			
Production.....	189,379	198,257	211,672
Removed for inedible use in processing.....	175,006	196,734	211,493
Stocks on hand end of month.....	20,372	21,347	21,550
Poultry by-product meals			
Production.....	248,878	246,193	262,634
Stocks on hand end of month.....	60,308	50,498	55,626
Tallow, edible			
Production.....	67,807	76,064	83,169
Removed for use in processing.....	77,196	76,078	84,325
Removed for edible use in processing.....	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)
Stocks on hand end of month.....	28,753	16,214	16,808
Tallow, inedible			
Production.....	296,905	275,434	291,305
Removed for inedible use in processing.....	298,733	281,517	290,734
Stocks on hand end of month.....	98,909	76,974	71,363
Tallow, technical			
Production.....	102,098	84,550	112,546
Removed for inedible use in processing.....	103,538	92,387	120,518
Stocks on hand end of month.....	(D)	12,408	12,358
Yellow grease			
Production.....	155,319	167,301	167,010
Removed for inedible use in processing.....	139,568	171,403	171,827
Stocks on hand end of month.....	95,456	86,614	80,250

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Statistical Methodology

Survey Procedures: *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Animal and vegetable fats and oils data are collected from all known facilities that crush, refine or render. Crushing facilities include processors that use either solvent extraction or continuous screw press.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of rendering, oilseeds crushing, and crude oil refining in 2014.

In the Animal and Vegetable Fats and Oils survey questionnaire, facilities are asked for previous calendar month data on oilseed crushing, crude oil production, once refined oil production, rendering production, and end of month stocks. Facilities are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

Estimating Procedures: Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National totals.

Revision Policy: Data are revised the following month based on late reports or corrected data. Final figures are published in the annual summary of the following year.

Reliability: Survey data are based on a census of all known facilities and therefore, have no sampling variability. Monthly data can vary due to different firms reporting month to month. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Environmental, Economics, and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

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Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
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